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FROM: Winston Hsu, PATENT AGENT, REG. NO.: 41,526

**SERIAL NO.: 10/708,946** 

ATTORNEY DOCKET NO.: NAUP0493USA1

SUBJECT: INFORMATION DISCLOSURE STATEMENT

**TOTAL PAGES: 14 PAGES (INCLUDING COVER PAGE)** 

Winston Hsu 2005/01/04

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PTO/SB/97 (09-04)
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(1) Transmit	tal Form			1 PAGE
(2) Fee Tran	smittal Form			1 PAGE
(3) Informati	on Disclosure Statement			10 PAGES

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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. **FEE CALCULATION** 1. BASIC FILING, SEARCH, AND EXAMINATION FEES **FILING FEES** SEARCH FEES **EXAMINATION FEES Small Entity** Small Entity Small Entity **Application Type** Fee (\$) Fee (\$) Fee (\$) Fee (\$) Fees Paid (\$) Fee (\$) Fee (\$) Utility 300 150 500 250 200 100 Design 200 100 100 50 130 65 Plant 200 100 300 150 160 80 300 Reissue 150 500 250 600 300 **Provisional** 200 100 0 0 0 0 2. EXCESS CLAIM FEES Small Entity Fee Description Fee (\$) Fee (\$) Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent 50 25 Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent 200 100 Multiple dependent claims 360 180 <u>Total Claims</u> Extra Claims **Multiple Dependent Claims** Fee (\$) Fee Paid (\$) - 20 or HP = Fee (\$) Fee Paid (\$) HP a highest number of total claims paid for, if greater than 20 Indep. Claims Extra Claims Fee (\$) Fee Paid (\$) - 3 or HP = HP = highest number of independent claims paid for, if greater than 3 **APPLICATION SIZE FEE** If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Number of each additional 50 or fraction thereof Total Sheets Extra Sheets Fee (\$) Fee Paid (\$) - 100 = / 50 = (round up to a whole number) x 4. OTHER FEE(S) Fees Paid (\$) Non-English Specification, \$130 fee (no small entity discount)

SUBMITTED BY			
Signature	Winters Has	Registration No. 41,526 (Attorney/Agent)	Telephone 302-729-1562
Name (Print/Type)	Winston Hsu		Date 01/04/2005

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Sheet 1

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INFORMATION DISCLOSURE	Filing Date	04/02/2004	7
	First Named Inventor	Jiunn-Ren Hwang	7
STATEMENT BY APPLICANT	Art Unit	2825	٦
(Use as many sheets as necessary)	Examiner Name	NI/A	⇁

Attorney Docket Number NAUP0493USA1

U. S. PATENT DOCUMENTS Cite Publication Date MM-DD-YYYY Examiner Document Number Name of Patentee or Pages, Columns, Lines, Where Applicant of Cited Document Relevant Passages or Relevant Figures Appear Number-Kind Code<sup>2</sup> (F know ÜS-UŞ. ŲS-US-US. US-US-US US-UŠ-US-113-US-US-US-US-US-

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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<sup>&</sup>quot;EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the springplate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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#### **PATENT**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jiunn-Ren Hwang, Jui-Tsen Huang, Chang-Jyh Hsieh

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Filing Date: 04/02/2004

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Art Unit: 2825

Serial No.: 10/708,946

Docket No.: NAUP0493USA1

10 Title: OPTICAL PROXIMITY CORRECTION METHOD

To: Commissioner for Patents

P.O. BOX 1450

Alexandria, VA 22313-1450

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Subject: Information disclosure statement under 37 C.F.R.§1.56.

Dear Sir:

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This is an Information Disclosure Statement in accordance with the duty to disclose information material to patentability under 37 C.F.R. §1.56. The applicant wishes to make of record the document listed on the accompanying form PTO/SB/08. It is respectfully requested that the examiner initials the cited reference on the form and that it be made of record in the application and that a copy of the initialed form be sent to the applicant with the next communication from the examiner.

Since this IDS is filed before the mailing date of the first Office 30 action, consideration of the information disclosure statement is hereby requested according to 37 CFR §1.97(e). That each item of information contained in the information disclosure statement was first cited in an Office communication from the State Intellectual Property Office of P.R.China in a counterpart China patent application on October 15, 2004, which are no more than three months prior to the filing of the information disclosure statement. The applicant requests that the examiner consider the items contained in this IDS.

According to the requirement set forth in 37 C.F.R.§1.98 and M.P.E.P. 609, the applicants are submitting a copy of the cited reference (JPH03-30332A, JPH01-186624A) and their English language abstracts hereinafter.

The abstract of the application (JPH03-30332A) is hereby presented to fulfill the information disclosure statement requirement set forth in 37 C.F.R.§1.98 and M.P.E.P. 609. The English language abstract of the application (JPH03-30332A) is listed as follows:

#### PURPOSE:

To suppress side etching effectively and to obtain a pattern having the approximately designed width by providing dummy masks at large spaces between the patterns when a pattern mask is provided.

#### CONSTITUTION:

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When a pattern mask 3a is provided, dummy masks 3b and 3c are provided at the large spaces between patterns. Namely, the pattern 3a covers a part corresponding to a specified pattern. The dummy masks 3b and 3c cover parts where the large spaces remain between the patterns. When the Al thin film at an unmasked part is removed by reacting ion etching, an Al pattern 2a and dummy patterns 2b and 2c are formed. Side etching is hard to progress at the Al pattern 2a since there are the dummy masks 3b and 3c. The pattern width that is the approximately the mask width is obtained. Thus, the pattern having the approximately designed width can be obtained.

The abstract of the application (JPH01-186624A) is hereby presented to fulfill the information disclosure statement requirement set forth in 37 C.F.R.§1.98 and M.P.E.P. 609. The English language abstract of the application (JPH01-186624A) is listed as follows:

#### **PURPOSE:**

To make it possible to obtain a desired pattern configuration even if etching is performed under the same condition, by forming dummy pattern to make a pattern density uniform.

#### CONSTITUTION:

An etching pattern 11 and a dummy pattern 12 are formed in the same surface of a circuit element to make an etching pattern density of an integrated circuit device uniform. It is possible to obtain a desired pattern configuration even if the whole integrated circuit element are etched away under the same condition, by making the etching pattern density uniform.

Respectfully Submitted,

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Wentonbar

Date: January 4, 2005

Winston Hsu, Patent Agent No. 41,526

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